

NAME
TYPE WHAT INFORMATION YOU REQUIRE:
/ALL/, SPECIFIC INFORMATION (BY 4-LETTER COMMAND), /HELP/, OR /NONE/.
NONE
ENTER NAME, KEYWORD, SYMPTOM, STLA, NAMELIST, HELP, OR QUIT
NAME
ENTER CHEMICAL NAME
DIOXIN
TYPE WHAT INFORMATION YOU REQUIRE:
/ALL/, SPECIFIC INFORMATION (BY 4-LETTER COMMAND), /HELP/, OR /NONE/.
ALL

CHEMICAL NAME
DIOXIN

FORMULA
C12H4CL4O2

SYNONYMS
2,3,7,8-TETRACHLORO-DIBENZO-P-DIOXIN
2,3,7,8-TCDD
NCI-C03714
TCDBD
TCDD
DIBENZO-P-DIOXIN, 2,3,7,8-TETRACHLORO-
DIBENZO(B,E)(1,4)DIOXIN, 2,3,7,8-TETRACHLORO-
DIOXIN (HERBICIDE CONTAMINANT)
2,3,7,8-TETRACHLORODIBENZO(B,E)(1,4)DIOXAN
2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN
2,3,7,8-TETRACHLORODIBENZO-1,4-DIOXIN
TETRADIOXIN
OHS08060

PERMISSIBLE EXPOSURE LIMIT
NONE ESTABLISHED
SUSPECT HUMAN CARCINOGEN (NTP)
INDEFINITE HUMAN CARCINOGEN (IARC)
INDEFINITE ANIMAL CARCINOGEN (IARC)
POSITIVE CARCINOGEN IN RATS/MICE (NCI)
ANIMAL TERATOGEN (RTEC)
POSITIVE MUTAGEN (RTEC)
REPORTABLE QUANTITIES - 1 LB CWA 307(A) - 1 LB PROPOSED RQ
CERCLA HAZARD RATINGS - TOXICITY 3 - IGNITABILITY 0 - REACTIVITY 0 -
PERSISTENCE 3

IMMEDIATELY DANGEROUS TO LIFE OR HEALTH CONCENTRATION
NONE SPECIFIED

PHYSICAL DESCRIPTION
COLORLESS CRYSTALLINE SOLID
WILL DECOMPOSE WHEN EXPOSED TO ULTRAVIOLET LIGHT

CHEMICAL AND PHYSICAL PROPERTIES
MOLECULAR WEIGHT: 321.96

USEPA SF



1452383

BOILING POINT AT 1 ATM, F: DECOMPOSES @ >1292 F
SOLUBILITY IN WATER, G/100 G WATER AT 20C: 200 PPM
FLASH POINT, CLOSED CUP, F (OR OPEN CUP IF OC): NA
VAPOR PRESSURE @ 20 C, MMHG: 0.0000017 @ 77 F
MELTING POINT, F: 581 F
UPPER EXPLOSIVE LIMIT IN AIR, % BY VOLUME: NA
LOWER EXPLOSIVE LIMIT IN AIR, % BY VOLUME: NA
SPECIFIC GRAVITY: NA

INCOMPATIBILITIES
UNKNOWN

PERSONAL PROTECTIVE EQUIPMENT
NO NIOSH/OSHA DATA; RECOMMEND
PREVENT ANY POSSIBILITY OF SKIN CONTACT
WEAR IMPERVIOUS CLOTHING
WEAR GLOVES
WEAR FACESHIELD (8 INCH MINIMUM)

PLACE CONTAMINATED CLOTHING IN CLOSED CONTAINERS FOR STORAGE UNTIL
LAUNDERED OR DISCARDED
IF CLOTHING IS TO BE LAUNDERED, INFORM PERSON PERFORMING OPERATION OF
CONTAMINANT'S HAZARDOUS PROPERTIES

GOGGLES
NO STANDARD REQUIREMENT, BUT ADVISE EYE PROTECTION TO
WEAR FACE SHIELD OR VENTED GOGGLES

WASHING CHEMICALS FROM THE SKIN
NO STANDARD REQUIREMENT, BUT ADVISE WASHING
SHOWER AT END OF EACH SHIFT

ROUTINE CHANGING OF WORK CLOTHING
NO STANDARD REQUIREMENT, BUT ADVISE CHANGING
LEAVE CLOTHING & EQUIPMENT FOR DECONTAMINATION & DISPOSAL

CLOTHING REMOVAL FOLLOWING ACCIDENTAL CONTAMINATION
NO STANDARD REQUIREMENT, BUT ADVISE REMOVING
SHOWER AFTER EACH SHIFT PRIOR TO LEAVING PREMISES

SPECIFIC EMERGENCY PROVISIONS
NO NIOSH/OSHA DATA, ADVISE:
EYE-WASH FOUNTAIN WITHIN IMMEDIATE WORK AREA WHERE EMPLOYEES' EYES MAY
BE EXPOSED TO SUBSTANCE
QUICK DRENCHING FACILITIES WITHIN IMMEDIATE WORK AREA WHERE EMPLOYEES
MAY BE EXPOSED TO SUBSTANCE

RESPIRATOR SELECTION (UPPER LIMIT DEVICES PERMITTED)

LOW LEVELS
- AIR PURIFYING RESPIRATORS

HIGH LEVELS
- SELF-CONTAINED BREATHING APPARATUS
WITH A FULL FACE-PIECE
OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE
- TYPE 'C' SUPPLIED-AIR RESPIRATOR
WITH A FULL FACE-PIECE
OPERATED IN PRESSURE-DEMAND OR POSITIVE-PRESSURE MODE
EQUIPPED WITH AUXILIARY POSITIVE-PRESSURE SELF-CONTAINED AIR SUPPLY

FIREFIGHTING
- SELF-CONTAINED BREATHING APPARATUS
WITH A FULL FACE-PIECE

ROUTE OF ENTRY INTO BODY

- INHALATION
- SKIN ABSORPTION
- INGESTION
- SKIN OR EYE CONTACT

SYMPTOMS

- HEPATIC NECROSIS
- THYMIC ATROPHY
- HEMORRHAGE
- CHLORACNE
- REPRODUCTIVE EFFECTS IN EXPERIMENTAL ANIMALS
- VESICULATION
- KIDNEY DAMAGE
- SKIN IRRITATION
- EYE IRRITATION
- FATIGUE
- RESPIRATORY DISTRESS
- MENTAL DEPRESSION
- COUGHING
- EMPHYSEMA
- ALBUMINURIA
- CENTRAL NERVOUS SYSTEM DEPRESSION
- HEPATIC CARCINOMA IN EXPERIMENTAL ANIMALS
- THYROID CARCINOMA IN EXPERIMENTAL ANIMALS
- SKIN CARCINOMA IN EXPERIMENTAL ANIMALS
- SALIVARY GLAND
- LEUKEMIA IN EXPERIMENTAL ANIMALS
- KIDNEY ADENOCARCINOMA IN EXPERIMENTAL ANIMALS

FIRST AID PROCEDURES FOLLOWING EXPOSURE

IF THIS CHEMICAL GETS INTO THE EYES, IMMEDIATELY WASH THE EYES WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING THE LOWER AND UPPER LIDS. GET MEDICAL ATTENTION IMMEDIATELY. CONTACT LENSES SHOULD NOT BE WORN WHEN WORKING WITH THIS CHEMICAL.

IF THIS CHEMICAL GETS ON THE SKIN, IMMEDIATELY WASH CONTAMINATED SKIN WITH SOAP OR MILD DETERGENT & WATER. IF THIS CHEMICAL SOAKS CLOTHING, IMMEDIATELY REMOVE CLOTHING & WASH SKIN WITH SOAP OR MILD DETERGENT & WATER. GET MEDICAL ATTENTION PROMPTLY.

IF A PERSON BREATHE IN LARGE AMOUNTS OF THIS CHEMICAL, MOVE THE EXPOSED PERSON TO FRESH AIR AT ONCE. IF BREATHING HAS STOPPED PERFORM ARTIFICIAL RESPIRATION. KEEP THE AFFECTED PERSON WARM AND AT REST. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

WHEN THIS CHEMICAL HAS BEEN SWALLOWED AND PERSON IS CONSCIOUS, IMMEDIATELY GIVE PERSON LARGE QUANTITIES OF WATER. AFTER WATER HAS BEEN SWALLOWED, TRY TO GET THE PERSON TO VOMIT BY HAVING HIM TOUCH THE BACK OF HIS THROAT WITH HIS FINGER. DO NOT MAKE AN UNCONSCIOUS PERSON VOMIT. GET MEDICAL ATTENTION IMMEDIATELY.

ORGANS

- SKIN
- LIVER
- KIDNEYS

RESPIRATORY SYSTEM
REPRODUCTIVE SYSTEM

STATUS OF REGULATORY ENFORCEMENT

OSHA STANDARD 29CFR1910.1200 HAZARD COMMUNICATION

REQUIRES CHEMICAL MANUFACTURERS AND IMPORTERS TO ASSESS THE HAZARDS OF CHEMICALS WHICH THEY PRODUCE OR IMPORT, AND ALL EMPLOYERS HAVING WORKPLACES IN THE MANUFACTURING DIVISION, STANDARD INDUSTRIAL CLASSIFICATION CODES 20 THROUGH 39, TO PROVIDE INFORMATION TO THEIR EMPLOYEES CONCERNING HAZARDOUS CHEMICALS BY MEANS OF HAZARD COMMUNICATION PROGRAMS INCLUDING LABELS, MATERIAL SAFETY DATA SHEETS, TRAINING, AND ACCESS TO WRITTEN RECORDS

48FR53280 11/25/83

FOLLOWING OSHA STANDARDS APPLICABLE TO SUBSTANCES LISTED 29CFR1910, OTHERWISE ADVISE:

OSHA STANDARD 29CFR1910.94 VENTILATION

OSHA STANDARD 29CFR1910.134 RESPIRATORY PROTECTION

OSHA STANDARD 29CFR1910.20 ACCESS TO EMPLOYEE EXPOSURE AND MEDICAL RECORDS

OSHA STANDARD 29CFR1910.132 PERSONAL PROTECTIVE EQUIPMENT

OSHA STANDARD 29CFR1910.141 SANITATION

OSHA STANDARD 29CFR1910.151 MEDICAL SERVICES AND FIRST AID

OSHA STANDARD 29CFR1910.133 EYE AND FACE PROTECTION

40CFR717 RECORDS AND REPORTS OF ALLEGATIONS THAT CHEMICAL SUBSTANCES CAUSE SIGNIFICANT ADVERSE REACTIONS TO HEALTH OR THE ENVIRONMENT

REQUIRES MANUFACTURERS AND CERTAIN PROCESSORS OF CHEMICAL SUBSTANCES AND MIXTURES TO KEEP RECORDS OF SIGNIFICANT ADVERSE REACTIONS TO HEALTH OR THE ENVIRONMENT ALLEGED TO HAVE BEEN CAUSED BY A SUBSTANCE OR MIXTURE. EPA MAY INSPECT AND REQUIRE REPORTING OF SUCH RECORDS.

48FR38178 08/22/83

SUBSTANCE LISTED AS 'KNOWN TO BE CARCINOGENIC' OR 'MAY REASONABLY BE ANTICIPATED TO BE CARCINOGENIC' IN NATIONAL TOXICOLOGY PROGRAM (NTP) THIRD ANNUAL REPORT ON CARCINOGENS

49CFR172.101 TABLES OF HAZARDOUS MATERIALS, THEIR DESCRIPTION, PROPER SHIPPING NAME, CLASS, LABEL, PACKAGING, AND OTHER REQUIREMENTS

DESIGNATED IN HAZARDOUS MATERIALS TABLE AS HAZARDOUS MATERIAL (UNDER N.O.S. CATEGORY) FOR THE PURPOSE OF TRANSPORTATION.

41FR15996 04/15/76

45FR34566 05/22/80 (AMENDMENT)

45FR46420 07/10/80 (AMENDMENT)

45FR62080 09/18/80 (AMENDMENT)

45FR74649 11/10/80 (AMENDMENT)

46FR17739 03/19/81 (AMENDMENT)

46FR19235 03/30/81 (AMENDMENT)

49CFR172.102 TABLES OF HAZARDOUS MATERIALS, THEIR DESCRIPTION, PROPER SHIPPING NAME, CLASS, LABEL, PACKAGING, AND OTHER REQUIREMENTS

DESIGNATED IN OPTIONAL HAZARDOUS MATERIALS TABLE (UNDER N.O.S. CATEGORY) WITH ALTERNATIVES TO CORRESPONDING REQUIREMENTS IN 49CFR172.101 FOR INTERNATIONAL SHIPMENTS.

41FR15996 04/15/81

46FR29393 06/01/81 (AMENDMENT)

46FR32250 06/22/81 (AMENDMENT)

40CFR775 STORAGE AND DISPOSAL OF WASTE MATERIAL CONTAINING
TETRACHLORODIBENZO-P-DIOXIN (TCDD)

REQUIRES PERSONS WHO DISPOSE OF WASTE CONTAINING TCDD TO
NOTIFY EPA ADMINISTRATOR SIXTY DAYS BEFORE DISPOSAL.

45FR22666 5/19/80

PREREGULATORY ASSESSMENT COMPLETED/PUBLISHED CLEAN
WATER ACT (CWA)

PREREGULATORY ASSESSMENT IN DEVELOPMENT/PROGRESS CLEAN AIR ACT (CAA)

CRITERIA DOCUMENT IN DEVELOPMENT/PROGRESS CLEAN WATER ACT (CWA)
SECTION 304(A)

RISK DOCUMENTATION/ASSESSMENT COMPLETED/PUBLISHED CLEAN
WATER ACT (CWA)

TEST METHOD DEVELOPMENT COMPLETED/PUBLISHED TOXIC SUBSTANCES
CONTROL ACT (TSCA)

ANALYTICAL METHODS DEVELOPMENT IN DEVELOPMENT/PROGRESS RESOURCE
CONSERVATION AND RECOVERY ACT (RCRA)

SOURCE/EXPOSURE ASSESSMENT COMPLETED/PUBLISHED CLEAN AIR
ACT (CAA)

SUBSTANCE SUBJECT TO REQUIREMENTS OF GENERAL INDUSTRY SAFETY ORDER
(GISO) 5194 OR TITLE 8 OF CALIFORNIA ADMINISTRATIVE CODE AND DIVISION 5,
CHAPTER 2.5 OF CALIFORNIA LABOR CODE

SUBSTANCE LISTED HAZARDOUS
STATE OF CALIFORNIA ADMINISTRATIVE CODE
TITLE 22. SOCIAL SECURITY
DIVISION 4. ENVIRONMENTAL HEALTH
CHAPTER 30. MINIMUM STANDARDS FOR MANAGEMENT OF HAZARDOUS AND
EXTREMELY HAZARDOUS WASTES

SUBSTANCES LISTED APPENDIX A - CONSENT DECREE LIST OF
INDUSTRIES AND TOXIC POLLUTANTS. SETTLEMENT AGREEMENT BETWEEN
U.S. EPA AND NATIONAL RESOURCES DEFENSE COUNCIL, ET AL
U.S. DISTRICT COURT DISTRICT OF COLUMBIA, JUNE 7, 1976.
SITE 8ERC120, DDC 1976. MODIFIED MARCH 9, 1979, SITE
12ERC1833, DDC 1979 AND AGAIN ON OCTOBER 26, 1982.

SUBSTANCE DETERMINED NEGATIVE MUTAGEN IN SALMONELLA TYPHI-
MURIUM BY THE NATIONAL TOXICOLOGY PROGRAM (NTP)

04 01 63 EPA REQUIRES NPDES PERMIT APPLICANT TO REPORT QUALITA-
TIVE DATA, WHEN GENERATED USING A SCREENING PROCEDURE NOT CALI-
BRATED WITH ANALYTICAL STANDARDS, FOR DIOXIN IF APPLICANT USES
OR MANUFACTURES 2,4,5-T, SILVEX, ERBON, RONNEL, 2,4,5-TRICHLORO-
PHENOL, OR HEXACHLOROPHENE, OR KNOWS OR HAS REASON TO BELIEVE
DIOXIN IS OR MAY BE PRESENT IN AN EFFLUENT

EPA HAS PROPOSED TO AMEND THE RESOURCE CONSERVATION AND
RECOVERY ACT (RCRA) REGULATIONS BY LISTING ADDITIONAL
HAZARDOUS WASTES CONTAINING CERTAIN CHLORINATED DIOXINS,
-DIBENZOFURANS, AND -PHENOLS, AND BY SPECIFYING CERTAIN
MANAGEMENT STANDARDS FOR THESE WASTES. THESE WASTES ARE
BEING LISTED AS ACUTELY HAZARDOUS.

48FR14514 04/04/83

RISK DOCUMENTATION/ASSESSMENT COMPLETED/PUBLISHED CLEAN AIR
ACT (CAA)

SUBSTANCE LISTED TOXIC SUBSTANCES CONTROL ACT INVENTORY

40CFR261.33(F) DISCARDED COMMERCIAL CHEMICAL PRODUCTS, OFF-SPECIFICATION SPECIES, CONTAINERS, AND SPILL RESIDUES THEREOF
COMMERCIAL CHEMICAL PRODUCT OR MANUFACTURING CHEMICAL INTER-MEDIATE IDENTIFIED AS TOXIC WASTE UNLESS OTHERWISE DESIGNATED.
45FR33084 05/19/80

SUBSTANCE LISTED AS TOXIC POLLUTANT UNDER CLEAN WATER ACT (CWA) SECTION 307(A)

TOXIC SUBSTANCE CONTROL ACT (TSCA) SECTION 8(E) INITIAL EVALUATION OF SUBSTANTIAL RISK SUBMITTED TO EPA, 1982

THIS SUBSTANCE TESTED FOR REPRODUCTIVE/DEVELOPMENTAL TOXICITY BY THE NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT (NICHD)

MEDICAL SURVEILLANCE REQUIRED

NO NIOSH/OSHA DATA; ADVISE:

GENERAL MEDICAL HISTORY

EKG RECOMMENDED IF EMPLOYEE TO WEAR FULL-FACE RESPIRATOR

40CFR717 RECORDS AND REPORTS OF ALLEGATIONS THAT CHEMICAL SUBSTANCES CAUSE SIGNIFICANT ADVERSE REACTIONS TO HEALTH OR THE ENVIRONMENT

TOXIC SUBSTANCES CONTROL ACT (TSCA) SECTION 8(C) RULE REQUIRES MANUFACTURERS AND CERTAIN PROCESSORS OF CHEMICAL SUBSTANCES AND MIXTURES TO KEEP RECORDS OF SIGNIFICANT ADVERSE REACTIONS TO EMPLOYEE HEALTH FOR 30 YEARS

48FR38187 08/22/83

38FR38225 08/30/83 (EFFECTIVE DATE CORRECTION)

PHYSICIAN EXAMINATION

INDUSTRIAL EXPOSURE HISTORY

BLOOD CHEMISTRY

LIVER FUNCTION

KIDNEY FUNCTION

PULMONARY FUNCTIONS

RESPIRATORY HISTORY

14 BY 17 CHEST P.A. X-RAY

PRE-PLACEMENT AND ANNUAL EXAMS

SKIN EXAM

ATTENTION TO SMOKING, ALCOHOL, MEDICATION, AND EXPOSURE TO CARCINOGENS

VISION TEST

CENTRAL NERVOUS SYSTEM TESTS, PERIPHERAL NEUROPATHY

CERTIFICATIONS

NO FEDERAL AGENCY REQUIREMENT, BUT DUE TO HAZARDOUS NATURE OF SUBSTANCE, ADVISE FOLLOWING:

HEALTH STATUS CLASSIFICATION

OSHA RESPIRATOR CERTIFICATION 29CFR1910.134

DEPARTMENT OF TRANSPORTATION IF OPERATES HEAVY EQUIPMENT

EMPLOYEE HAZARDOUS MATERIALS EDUCATION RECEIPT

EMPLOYEE MEDICAL RECORDS RECEIPT

TOXIC SUBSTANCES CONTROL ACT (TSCA) SECTION 8(C) RULE
REQUIRES MANUFACTURERS AND CERTAIN PROCESSORS OF CHEMICAL
SUBSTANCES AND MIXTURES TO KEEP RECORDS OF SIGNIFICANT
ADVERSE REACTIONS TO EMPLOYEE HEALTH FOR 30 YEARS.
CONTACT: JACK P. MCCARTHY, OFFICE OF TOXIC SUBSTANCES,
EPA (800)424-1404. 48FR38178 8/22/83

MEDICAL WARNING REQUIRED FOR MEDICAL EXAM REFUSAL SIGNED
BY EMPLOYEE

SPECIAL DIAGNOSTIC TESTS
LIVER PROFILE BLOOD TESTS

LEAKS AND SPILL PROCEDURES

DEPARTMENT OF TRANSPORTATION HAZARD CLASS
49CFR172.101 HAZARDOUS MATERIALS TABLE

POISONOUS SOLID, N.O.S., OR POISON B, SOLID, N.O.S.
POISON B
UN 2811

DEPARTMENT OF TRANSPORTATION LABELING REQUIREMENTS
49CFR172.101 (SUBJECT TO ADDITIONAL LABELING REQUIREMENTS OF
49CFR172.402)

POISON

INTERGOVERNMENTAL MARITIME ORGANIZATION HAZARD CLASS
49CFR172.102 OPTIONAL HAZARDOUS MATERIALS TABLE

POISONOUS SOLID, N.O.S.
POISONOUS (TOXIC) SUBSTANCE
UN 2811

INTERGOVERNMENTAL MARITIME ORGANIZATION LABELING SPECIFICATIONS FOR
DOMESTIC AND EXPORT SHIPMENTS
49CFR172.102

POISON

FOLLOWING INFORMATION FROM BUREAU OF EXPLOSIVES "EMERGENCY HANDLING OF
HAZARDOUS MATERIALS":

POISONOUS SOLID, N.O.S.

POISON B

IF MATERIAL ON FIRE OR INVOLVED IN FIRE:

- * EXTINGUISH FIRE USING AGENT SUITABLE FOR TYPE OF
SURROUNDING FIRE (MATERIAL ITSELF DOES NOT BURN
OR BURNS WITH DIFFICULTY)

- * USE WATER IN FLOODING QUANTITIES AS FOG
 - * USE ALCOHOL FOAM, CARBON DIOXIDE, OR DRY CHEMICAL
- IF MATERIAL NOT ON FIRE AND NOT INVOLVED IN FIRE:
- * KEEP SPARKS, FLAMES, AND OTHER SOURCES OF IGNITION AWAY
 - * KEEP MATERIAL OUT OF WATER SOURCES AND SEWERS

PERSONNEL PROTECTION:

- * AVOID BREATHING DUSTS AND FUMES FROM BURNING MATERIAL
- * KEEP UPWIND
- * WEAR SELF-CONTAINED BREATHING APPARATUS
- * AVOID BODILY CONTACT WITH THE MATERIAL
- * WEAR FULL PROTECTIVE CLOTHING
- * DO NOT HANDLE BROKEN PACKAGES WITHOUT PROTECTIVE EQUIPMENT
- * WASH AWAY ANY MATERIAL WHICH MAY HAVE CONTACTED THE BODY
WITH COPIOUS AMOUNTS OF WATER OR SOAP AND WATER

WASTE

THIS MATERIAL LISTED AS HAZARDOUS SUBSTANCE, AS DEFINED IN SECTION 101(14) OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) OF 1980, PURSUANT TO ONE OR MORE OF THE FOLLOWING:

- FEDERAL WATER POLLUTION CONTROL ACT (FWPCA) SECTION 311 (B)(2)(A)
- SOLID WASTE DISPOSAL ACT SECTION 3001 40CFR261
- CLEAN WATER ACT (CWA) SECTION 307(A) 40CFR129
- CLEAN AIR ACT (CAA) SECTION 112 40CFR61
- TOXIC SUBSTANCES CONTROL ACT (TSCA) SECTION 7
- COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT (CERCLA) SECTION 102

CAS NUMBER

1746-01-6

REGISTRY TOXIC CHEMICALS NUMBER

HP3500000

BULLETINS

NIOSH RECOMMENDS THAT TCDD BE CONSIDERED A POTENTIAL OCCUPATIONAL CARCINOGEN. CURRENT DATA DO NOT CONFIRM A CAUSAL RELATIONSHIP BETWEEN TCDD EXPOSURE AND SOFT TISSURE SARCOMA, BUT DO SUGGEST A NEED FOR CONTINUED INVESTIGATION. (NIOSH CURRENT INTELLIGENCE BULLETIN 40)

SPECIAL INFORMATION

--HOOKERHYDE PARK LANDFILL, NIAGARA FALLS, NY.

TYPE WHAT INFORMATION YOU REQUIRE:

/ALL/, SPECIFIC INFORMATION (BY 4-LETTER COMMAND), /HELP/, OR /NONE/.

QUIT

ENTER NAME, KEYWORD, SYMPTOM, STLA, NAMELIST, HELP, OR QUIT

QUIT

ENTER WHICH OHS SERVICE YOU WISH TO ACCESS:

IF YOU WISH TO ACCESS HAZARDLINE, TYPE /HAZARD/.

IF YOU WISH TO ACCESS ENVIRONMENTAL HEALTH NEWS, TYPE /EHN/.

IF YOU WISH TO EXIT THE SYSTEM, TYPE /LOGOFF/.

PRESS RETURN AFTER THIS COMMAND AND EVERY COMMAND.

LOGOFF

LOGGED OFF LINE # 03, DATE = 01/03/85, TIME = 16-37-20